INDEX.

A.

Acetic benzoate, or benzoic acetate, 227.
—— chloride, 226.
—— cuminate, or cuminic acetate, 227.
Acid acetic, anhydrous, 129, 228.
———— on the preparation of pure, from wood-vinegar and brandy-vinegar, by C. Völckel, 274.
—— aceto-propionic, 4.
—— anthrinilic, difference between, and benzamic acid, 134.
—— apophyllic, 266.
—— aspartic, active and inactive, 63.
—— benzoic, anhydrous, 129, 228.
—— benzoglycolic, products of decomposition of, 79.
—— benzoglycolic, salts of, 75, 78.
—— benzolactic, 82.
—— capric, on the occurrence of, in some fusel-oils, by T. H. Rowney, 22.
—— caprylic, on the occurrence of, in some fusel-oils, by T. H. Rowney, 22.
—— citric, on the constitution of, by L. Pebal, 284.
—— citrobianilic, 286.
—— citromonanilic, bibasic, silver-salt of, 288.
———— monobasic, 287,
———— silver-salt of, 287.
———— aniline-salt of, 288.
—— cuminic, anhydrous, 228.
—— glycolic, 79, 80, 81.
—— hemipinic, 265.
—— hemipovinic, 265.
—— hippuric, on a new method of extracting, in considerable quantity without evaporation of the urine, and on some of its products of decomposition, by E. Riley, 97.
———— composition of, 73, 74.
———— crystalline form of, 101.
———— examination of certain products obtained from, 73.
———— preparation of, 75.
—— malic, action of a light, 65.
Acid, malic, active and passive, 63.
———— transformation of fumarate of ammonia into, 63.
———— into maleic and fumaric acids, 63.
—— metacetonic, on Dr. Keller's supposed formation of, by means of flour and leather, by R. W. Forster, 28.
—— nitric, action of, on cotarnine, 266.
———— on narcotine, 261.
—— œnanthic, on œnanthic ether and, by W. Delffs, 279.
—— opianic, 265.
—— oxylizaric, 62.
—— salicylic, formation of, from anthranilic acid, by H. Gerland, 133.
—— sorbic, 283.
—— tannic, contributions towards the history of, by Dr. Strecker, 102.
—— tungstic, separation of crude into three distinct acids, 95, 96.
Acids, on aspartic and malic, by L. Pasteur, 62.
—— organic, researches on the anhydrous, by C. Gerhardt, 127, 226.
Air-pump, on a method of obtaining a perfect vacuum in the receiver of an, by Dr. T. Andrews, 189.
Ales, report upon the alleged adulteration of pale, by strychnine, by Professors Graham and Hofmann, 173.
Alizarine, 60, 61.
Alkalies, on the compounds of cotton with the, by J. H. Gladstone, 17.
'Amazon,' chemical report on the cause of the fire in the, by Prof. Graham, 34.
Ammonia, apophyllate of, 267.
—— benzoglycolate of, 77.
Amyl, on the action of ammonia on bioxysulphocarbonate of, by M. W. Johnson, 142.
—— on the preparation of carbonate of, by J. A. Bruce, 131.
Amylate of sodium, action of, on palmitine, 314.

INDEX.

A.

Acetic benzoate, or benzoic acetate, 227.
—— chloride, 226.
—— cuminate, or cuminic acetate, 227.
Acid acetic, anhydrous, 129, 228.
———— on the preparation of pure, from wood-vinegar and brandy-vinegar, by C. Völckel, 274.
—— aceto-propionic, 4.
—— anthrinilic, difference between, and benzamic acid, 134.
—— apophyllic, 266.
—— aspartic, active and inactive, 63.
—— benzoic, anhydrous, 129, 228.
—— benzoglycolic, products of decomposition of, 79.
—— benzoglycolic, salts of, 75, 78.
—— benzolactic, 82.
—— capric, on the occurrence of, in some fusel-oils, by T. H. Rowney, 22.
—— caprylic, on the occurrence of, in some fusel-oils, by T. H. Rowney, 22.
—— citric, on the constitution of, by L. Pebal, 284.
—— citrobianilic, 286.
—— citromonanilic, bibasic, silver-salt of, 288.
———— monobasic, 287,
———— silver-salt of, 287.
———— aniline-salt of, 288.
—— cuminic, anhydrous, 228.
—— glycolic, 79, 80, 81.
—— hemipinic, 265.
—— hemipovinic, 265.
—— hippuric, on a new method of extracting, in considerable quantity without evaporation of the urine, and on some of its products of decomposition, by E. Riley, 97.
———— composition of, 73, 74.
———— crystalline form of, 101.
———— examination of certain products obtained from, 73.
———— preparation of, 75.
—— malic, action of a light, 65.
Acid, malic, active and passive, 63.
———— transformation of fumarate of ammonia into, 63.
———— into maleic and fumaric acids, 63.
—— metacetonic, on Dr. Keller's supposed formation of, by means of flour and leather, by R. W. Forster, 28.
—— nitric, action of, on cotarnine, 266.
———— on narcotine, 261.
—— œnanthic, on œnanthic ether and, by W. Delffs, 279.
—— opianic, 265.
—— oxylizaric, 62.
—— salicylic, formation of, from anthranilic acid, by H. Gerland, 133.
—— sorbic, 283.
—— tannic, contributions towards the history of, by Dr. Strecker, 102.
—— tungstic, separation of crude into three distinct acids, 95, 96.
Acids, on aspartic and malic, by L. Pasteur, 62.
—— organic, researches on the anhydrous, by C. Gerhardt, 127, 226.
Air-pump, on a method of obtaining a perfect vacuum in the receiver of an, by Dr. T. Andrews, 189.
Ales, report upon the alleged adulteration of pale, by strychnine, by Professors Graham and Hofmann, 173.
Alizarine, 60, 61.
Alkalies, on the compounds of cotton with the, by J. H. Gladstone, 17.
'Amazon,' chemical report on the cause of the fire in the, by Prof. Graham, 34.
Ammonia, apophyllate of, 267.
—— benzoglycolate of, 77.
Amyl, on the action of ammonia on bioxysulphocarbonate of, by M. W. Johnson, 142.
—— on the preparation of carbonate of, by J. A. Bruce, 131.
Amylate of sodium, action of, on palmitine, 314.

Anderson, T., on the products of the destructive distillation of animal substances, 50.
—— researches on some of the crystalline constituents of opium, 257.
Aniline, monobasic citrate of, 287.
Animal substances, on the products of the destructive distillation of, by T. Anderson, 50.
Andrews, T., on a method of obtaining a perfect vaucum in the receiver of an air-pump, 189.
Ansell, G. F., on the qualitative separation of arsenic, tin and antimony, 210.
Anthropine, a new substance discovered in human fat, 85.
Antimony, on the detection and qualitative separation of tin, antimony and arsenic, by C. L. Bloxam, 104.
—— on the qualitative separation of arsenic, tin and antimony, by G. F. Ansell, 210.
—— organic bases containing, 66.
Apophyllates, 267.
Arsenic, on the detection and qualitative separation of tin, antimony and, by C. L. Bloxam, 104.
—— on the qualitative separation of arsenic, tin and antimony, by G. F. Ansell, 210.
Atmospheric air, on the extraction of oxygen gas from, by M. Boussingault, 269.

B.

Barley, on the variation in the proportion of potash and soda present in certain samples of, grown in ground artificially impregnated with one or other of these alkalies, by Dr. Daubeny, 9.
Baryta, acid oxalate of, 223.
—— apophylate of, 267.
—— benzoglycolate of, 77.
Bases, organic, containing antimony, 66.
—— pyrrol, 51, 55.
Beaufoy, Henry, obituary notice of, 158.
Becquerel, E., and Frémy, E., electro-chemical researches on the properties of electrified bodies, 272.
Beef-stearine, composition of, 310.
Benzoic cuminate, or cuminic benzoate, 228.
Benzoglycolates, 76, 77, 78.
Benzoglycolic ether, 78.
Benzoic acetate, or acetic benzoate, 227.
—— cinnamate, or cinnamic benzoate, 227.
—— salicylate, 129.
Bertagnini, C., on the compounds of several essential, with the alkaline bisulphites, 317.
Bicarbonate of submethylium, 68.
Bichromate of diplatosamine, 220.
Bioxysulphocarbonate of amyl, on the action of ammonia on, by M. W. Jobson, 142.
Bismethyl, 71.
Bisulphites, on the action of several essential oils on the alkaline, by C. Bertagnini, 317.
Bitelluride of ethyl, 72.
Bloxam, C. L., on the detection and qualitative separation of tin, antimony and arsenic, and the relation existing between these metals and others which are precipitated from their acid solutions by sulphuretted hydrogen, 104.
Bone-oil, distillation of, 50.
Boussingault, on the extraction of oxygen gas from atmospheric air, 269.
Brandy-vinegar, on the preparation of pure acetic acid from, 278.
Bristol, note on the existence of strontia in the well-waters of, by W. and T. J. Herapath, 193.
Bromide of stibethyl, 70.
Brodie, B. C., on the action of iodine on phosphorus, 289.
Bruce, J. A., on the preparation of carbonate of amyl, 131.
Buckton, G. B., observations on a new series of double chlorides containing diplatosammonium, 213.

C.

Calvert, F. C., a new method for the analysis of chrome-ores, 194.
Carbonate of amyl, on the preparation of, by J. A. Bruce, 131.
Cetine, constitution of, 84.
Chemical memoranda, by R. Warington, 136.
Chemical Papers, titles of, published in British and Foreign Journals in the year 1852, 323.
Chemical Society, list of papers read at the meetings of the, from April 7, 1851, to March 15, 1852, inclusive, 160.
———— proceedings at the meetings of, 29, 153, 319.
Chinese wax, on the oxidation of, by N. S. Maskelyne, 24.
Chloride, acetic, 226.
—— of diplatosammonium and bichloride of tin, 219.
———— and chloride of copper, 218.
———— and chloride of lead, 213.

Chloride of diplatosammonium and chloride of zinc, 217.
——— and sesquichloride of iron, 216.
——— and protochloride of mercury, 215.
——— and protochloride of tin, 219.
—— of platinum and narceine, 258.
—— of stibethyl, 70.
—— of stibmethylium, 68.
—— of tellur-ethyl, 72.
Chlorides, observations on a new series of double, containing diplatosammonium, by G. B. Buckton, 213.
Chlorogenine, 58.
Chrome-ores, a new method of the analysis of chrome-ores, by F. C. Calvert, 194.
Citrate of lime, on the decomposition of, in contact with putrefying curd, by Henry How, 1.
Citrobianil, 285.
Citrobinanilate of silver, 286.
Citronanilide, 285.
Clapton, Edward, on the acid oxalates of the earths, 223.
Colorimeter, on a quick approximative method of estimating minute quantities of iron by means of a, by T. J. Herapath, 27.
Copper, benzoglycolate of, 77.
—— chloride of diplatosammonium and chloride of, 218.
—— method of detecting qualitatively small quantities of, in solution, 137.
Cotarnine, action of nitric acid on, 266.
Cotton, on the compound of, with the alkalies, by J. H. Gladstone, 17.
Council and officers of the Chemical Society, elected March, 30, 1852, 167.
Crystals, on the polarizing, produced by the action of iodine on the sulphate of quinine, by Dr. Herapath, 177.
Cuminic acetate or acetic cuminate, 227.
—— benzoate, or benzoic cuminate, 228.
—— cuminate, or anhydrous cuminic acid, 228.

D.

Daubeny, Charles, on the variation in the proportion of potash and soda in certain samples of barley, grown in plots of ground artificially impregnated with one or other of these alkalies, 9.
Delffs, W., on œnanthic ether and œnanthic acid, 279.
Density of selenium in different states, 93.
Diplatosamine, bichromate of, 220.
Diplatosammonium, chloride of, and chloride of lead, 213.
——— and chloride of copper, 218.
Diplatosammonium, chloride of, and chloride of zinc, 217.
——— and bichloride of tin, 219.
——— and protochloride of mercury, 215.
——— and protochloride of tin, 219.
——— and sesquichloride of iron, 216.
—— observations on a new series of double chlorides containing, by G. B. Buckton, 213.
Distillation, on the products of the destructive, of animal substances, by T. Anderson, 50.
Duffy, Patrick, on certain isomeric transformations of fats, 197.
—— on the constitution of stearine, 303.

E.

Earths, on the acid oxalates of the, by Edward Clapton, 223.
Electrical conducting power of vitreous and crystalline selenium, 93.
Electro-chemical researches on the properties of electrified bodies, by E. Frémy and E. Becquerel, 272.
Ether, benzoglycolic, 79.
—— œnanthic, on, and œnanthic acid, by W. Delffs, 279.
—— opianic, 265.
Ether-stearic, 312.
Ethyl, observations on telluride of, by W. Mallet, 71.
—— bismuthide of, 71.
—— bitelluride of, 72.
Ethylates, action of the alkaline, on stearine, 311.
Ethylo-mercuric nitrate, by C. Gerhardt, 88.

F.

Fat, on the composition of human, by W. Heintz, 84.
—— human, slow decomposition of, 86.
Fats, on a new method of separating, by W. Heintz, 82, 84.
—— on certain isomeric transformations of, by Patrick Duffy, 197.
—— various modes of testing the purity of the glycerine-, 198.
Ferric oxide, benzoglycolate of, 77.
Fire, chemical report on the cause of the, in the 'Amazon,' by Prof. Graham, 34.
Fluorine, new process for the detection of, when accompanied by silica, by G. Wilson, 151.
Forster, R. W., on Dr. Keller's supposed formation of metacetonic acid by means of flour and leather, 28.

Frankland, E., contributions to the knowledge of the manufacture of gas, 39.
Frémy, E., and Becquerel, E., electro-chemical researches on the properties of electrified bodies, 272.
Fumarate of ammonia, transformation of, into malic acid, 63.

G.

Gas, contributions to the knowledge of the manufacture of, by E. Frankland, 39.
Gerhardt, on ethylo-mercuric nitrate, 88.
—— researches on the anhydrous organic acids, 226.
—— researches on the constitution of organic acids, 127.
Gerland, H., new formation of salicylic acid, 133.
Gladstone, J. H., on the compounds of cotton with the alkalies, 17.
Glycerine, action of perchloride of phosphorus on, 315.
Glycerine-fats, various modes of testing the purity of, 198.
Glycolate of silver, 80.
—— of zinc, 80.
Graham, Thomas, chemical report on the cause of the fire in the 'Amazon,' 34.
—— and Hofmann, report upon the alleged adulteration of pale ales by strychnine, 173.
———— and Redwood, report upon original gravities, 229.
Gravities, original, report upon, by Professors Graham, Hofman and Redwood, 229.

H.

Heintz, W., on the composition of human fat, 84.
—— on a new method of separating substances possessing very similar properties, 82.
Hemipinates of potash, 265.
Herapath, Dr., on the polarizing crystals produced by the action of iodine on the sulphate of quinine, 177.
———— T. J., on a quick approximative method of estimating minute quantities of iron by means of a colorimeter, 27.
———— W. and T. J., note on the existence of strontia in the well-waters of Bristol, 193.
Herring-brine, on the occurrence of trimethylamine in, by A. W. Hofmann, 288.
Hittorff, on the allatropy of selenium, 90.
Hofmann, A. W., on the occurrence of trimethylamine in herring-brine, 288.
—— remarks on Liebig's new method of estimating the quantity of urea in urine, 30, 23.
—— and Graham, report upon the alleged adulteration of pale ales by strychnine, 173.
———— and Redwood, report upon original gravities, 229.
How, Henry, on the decomposition of nitrate of lime in contact with putrefying curd, 1.
Human fat, on the composit on of, by W. Heintz, 84.
—— slow decomposition of, 86.
Hydrargochloride of lutidine, 54.
Hydrate of opianyl, 265.
Hydrochlorate of narceine, 258.
—— of thebaine, 260.

I.

Indigo, on the valuation of, by F. Penny, 297.
Iodide of potassium, curious form of crystallization of, 136.
—— of stibethyl, 70.
—— of stibmethylethylium, 68.
—— of stibmethylium, 68.
Iodine, on the action of, on phosphorus, by B. C. Brodie, 289.
—— on the polarizing crystals produced by the action of, on sulphate of quinine, by Dr. Herapath, 177.
Iodo-quinine, optical properties of sulphate of, 178—182.
—— quantitative analysis of sulphate of, 182—187.
Iron, chloride of diplatosammonium and sesquichloride of, 216.
—— on a quick approximative method of estimating minute quantities of, by means of a colorimeter, by T. J. Herapath, 27.
Isomeric transformations of fats, on certain, by Patrick Duffy, 197.

J.

Johnson, M. W., on the action of ammonia on bioxysulphocarbonate of amyl, 142.

L.

Lead, benzoglycolates of, 77, 78.

Lead, chloride of diplatosammonium and chloride of, 213.
Liebig, new method of estimating the quantity of urea in urine, 30.
Lime, benzoglycolate of, 77.
—— on the decomposition of citrate of, in contact with putrefying curd, by Henry How, 1.
Lutidine, 50.
—— hydrargo-chloride of, 54.

M.

Madder-purple, 62.
Madder-root, alteration of, by keeping, 56.
Magnesia, benzoglycolate of, 77.
Mallet, W., observations on tellurethyl, or telluride of ethyl, 71.
Margarin in human fat, 85.
Maskelyne, N. S., on the oxidation of Chinese wax, 24.
Meetings of the Chemical Society, list of papers read at the, from April 7, 1851, to March 15, 1852, inclusive, 160.
———— proceedings at the, 29, 153, 319.
Melting-points of fats, table of, 210.
—— of selenium, 91.
—— of stearine, 200, 205.
Memoranda, chemical, by R. Warington, 136.
Mercury, chloride of diplatosammonium and protochloride of, 215.
—— on a new compound of, by Sobrero and Selmi, 86.
Methylamine, from bone-oil, 52.
Mountain-ash, on sorbine, a new saccharine substance extracted from the berries of the, by J. Pelouze, 281.
Mutton-stearine, composition of, 304—305.

N.

Narceine, 258.
Narcotine, action of nitric acid on, 261.
Nitrate, on ethylo-mercuric, by C. Gerhardt, 88.
—— of narceine, 258.
—— of stibethyl, 69.
—— of stibmethylium, 68.
—— of tellurethyl, 72.

O.

Obituary notice of Henry Beaufoy, Esq., 159.
———— Richard Phillips, Esq., 155.
———— William West, Esq., 158.
Œnanthic ether and œnanthic acid, by W. Delfs, 279.
Officers, list of, and Council, elected, March 30, 1852, 167.
Oils, on the compounds of several essential, with the alkaline bisulphites, by C. Bertagnini, 317.
Oleine in human fat, 85.
Opianic ether, 265.
Opianyl, 263.
Opium, researches on some of the crystalline constituents of, by Dr. T. Anderson, 257.
Organic acids, researches on the anhydrous, by C. Gerhardt, 226.
———— researches on the constitution of, by C. Gerhardt, 127.
—— bases containing antimony, 66.
Original gravities, report upon, by Professors Graham, Hofmann and Redwood, 229.
Oxalate, acid, of baryta, 223.
———— of strontia, 224.
Oxalates, on the acid, of the earths, by Edward Clapton, 223.
Oxide of tellurethyl, 72.
Oxychloride of phosphorus, use of as a reagent in organic chemistry, 226.
Oxygen, electrized, 274.
—— gas, on the extraction of, from atmospheric air, by M. Boussingault, 269.
Ozone, 272, 274.

P.

Pale ales, report upon the alleged adulteration of, by strychnine, by Professors Graham and Hofmann, 173.
Palmitine, action of amylate of sodium on, 314.
Papers, list of, read at the meetings of the Chemical Society, from April 7, 1851, to March 15, 1852, inclusive, 160.
Pasteur, L., on aspartic and malic acids, 62.
Pelouze, on sorbine, a new saccharine substance extracted from the berries of the mountain-ash, 281.
Penny, F., on the valuation of indigo, 297.
Pepper, J. H., on a new test for strychnine, 170.
Perchloride of phosphorus, action of, on glycerine, 315.
Persoz, J., on the composition of wolfram, 95.
Phillips, Richard, obituary notice of, 155.
Phosphide of tungsten, 94.

Phosphorus, action of perchloride of, on glycerine, 315.
—— on the action of iodine on, by B. C. Brodie, 289.
—— red, 94.
—— use of oxychloride of, as a reagent in organic chemistry, 226.
Piria, R., on populin, 8.
Platinochloride of thebaine, 261.
Platinum, chloride of, and narceine, 258.
Polarizing crystals, on the, produced by the action of iodine on the sulphate of quinine, by Dr. Herapath, 177.
Populin, on, by R. Piria, 8.
Potash, benzoglycolate of, 76.
—— hemipinates of, 265.
—— on the variation in the proportion of, and soda present in certain samples of barley grown in plots of ground artificially impregnated with one or other of these alkalies, by Dr. Daubeny, 9.
Potassium, curious form of crystallization of iodide of, 136.
President's Report, March 30, 1852, 153.
Proceedings at the meetings of the Chemical Society, 29, 153, 319.
Purpurine, 62.
Pyridine, 50.
Pyrrol-bases, 51, 55.

Q.

Quinine, on the polarizing crystals produced by the action of iodine on the sulphate of, by Dr. Herapath, 177.

R.

Redwood, Graham and Hofmann, report upon original gravities, 229.
Red phosphorus, 94.
Report, chemical, on the cause of the fire in the 'Amazon,' 173.
—— President's, March 30, 1852, 153.
—— Treasurer's, 166.
—— upon the alleged adulterations of pale ales by strychnine, by Professors Graham and Hofmann, 173
—— upon original gravities, by Professors Graham Hofmann and Redwood, 229.
Riley, Edward, on a new method of extracting hippuric acid in considerable quantity without evaporation of the urine; and on some of its products of decomposition, 97.
Rowney, T. H., on the occurrence of capric and caprilic acids in some fusel-oils, 22.
Rubian, action of sulphuric and muriatic acid on, 60.
—— composition of, 60.
—— on, and its products of decomposition, by E. Schunk, 56.
—— preparation of, 58.
—— properties of, 59.
Rubianine, 61.
Rubiretine, 60, 61.

S.

Salicylate, benzoic, 129.
Salts of glycolic acid, 80.
Saponification of spermaceti by caustic potash, 84.
Schrotter's red phosphorus, 94.
Schunck, Edward, on rubian and its products of decomposition, 56.
Selenide of stibethyl, 70.
Selenium, density of, in different states, 93.
—— electrical conducting power of vitreous and crystalline, 93.
—— on the allatropy of, by Dr. Hittorff, 90.
—— melting-points of, 91.
Silver, apophyllate of, 267.
—— benzoglycolate of, 78.
—— citrobianilate of, 286.
—— glycolate of, 80.
Silver-salt of monobasic citro-monanilic acid, 287.
—— of bibasic citro-monanilic acid, 288.
Silica, new process for the detection of fluorine when accompanied by, 151.
Sobrero and Selmi, on a new compound of mercury, 86.
Socoloff and Strecker, on certain products obtained from hippuric acid, 73.
Soda, benzoglycolate of, 77.
—— on the variation in the proportion of potash and, present in certain samples of barley grown in plots of ground, artificially impregnated with one or other of these alkalies, by Dr. Daubeny, 9.
Sorbine, on, a new saccharine substance, extracted from the berries of the mountain-ash, by J. Pelouze, 281.
Specific gravity of isomeric modifications of stearine, 207.
Spermaceti, saponification of, by caustic potash, 84.
Stearic ether, 312.
Stearine, action of the alkaline ethylates on, 311.
—— constitution of, 84.
—— melting-points of, 200, 205.
—— on the constitution of, by P. Duffy, 303.

Stearine, specific gravity of isomeric modifications of, 207.
—— various modes of purification of, by crystallisation from ether, 199.
Stearophanine in human fat, 85.
Stibamyl, 71.
Stibethyl, 69.
—— bromide of, 70.
—— chloride of, 70.
—— iodide of, 70.
—— nitrate of, 69.
—— oxide of, 69.
—— selenide of, 70.
—— sulphate of, 69.
—— sulphide of, 70.
Stibethylium, 71.
Stibmethyl, 67.
Stibmethylelium, iodide of, 68.
Stibmethylium, 67.
—— bicarbonate of, 68.
—— chloride of, 68.
—— iodide of, 68.
—— nitrate of, 68.
—— oxide of, 67.
—— sulphate of, 68.
Strecker, contributions towards the history of tannic acid, 102.
Strontia, acid oxalate of, 224.
—— note on the existence of, in the well-waters of Bristol, by W. and T. J. Herapath, 193.
Strychnine, new test for, by J. H. Pepper, 170.
—— report upon the alleged adulteration of pale ales by, by Professors Graham and Hofmann, 173.
Sublimation, modification of the ordinary process of, in a straight tube, 141.
Sulphate of narceine, 258.
—— of quinine, on the polarizing crystals produced by the action of iodine on the, by Dr. Herapath, 177.
—— of stibethyl, 69.
—— of stibmethylium, 68.
—— of thebaine, 261.
Sulphide of stibetbyl, 70.

T.

Teas, additional observations on the green, of commerce, by R. Warington, 139.
Tellurethyl, chloride of, 72.
———— nitrate of, 72.
———— oxide of, 72.
Telluride of ethyl, observations on, by W. Mallet, 71.
Teropiammon, 261.
Thebaine, 260.
Tin, chloride of diplatosammonium and bichloride of, 219.
———— and protochloride of, 219.
—— on the detection and qualitative separation of tin, antimony and arsenic, by C. L. Bloxam, 104.
Treasurer's Report, March 30, 1852, 166.
Trimethylamine, on the occurrence of, in herring-brine, by A. W. Hofmann, 288.
Tungsten, phosphide of, 94.

U.

Urea, Liebig's new method of estimating the quantity of, in urine, 30.

V.

Vacuum, on a method of obtaining a perfect, in the receiver of an air-pump, 189.
Verantine, 60, 61.
Vinegar, on the preparation of pure acetic acid from wood-, and brandy-vinegar, by C. Völckel, 274.
Völckel, C., on the preparation of pure acetic acid from wood-vinegar and brandy-vinegar, 274.

W.

Warington, R., chemical memoranda, 136
Water, note on the existence of strontia in the well-waters of Bristol, by W. and T. J. Herapath, 193.
Wax, on the oxidation of Chinese, by N. S. Maskelyne, 24.
West, William, obituary notice of, 158.
White's process for the manufacture of gas, 44.
Wilson, G., on the detection of fluorine when accompanied by silica, 151.
Wöhler, on phosphide of tungsten, 94.
Wolfram, on the composition of, by J. Persoz, 95.
Wood-vinegar, preparation of pure acetic acid from, 274.

X.

Xanthine, 57, 58.
Xanthamylamide, 142, 149.

Z.

Zinc, benzoglycolate of, 77.
Zinc, chloride of diplatosammonium and chloride of, 217.
—— glycolate of, 80.

END OF VOL. V.

London: Printed by Schulze and Co., 13 Poland Street.